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(54) SEAL MATERIAL USED FOR DPF AND MANUFACTURE THEREOF

(57) Abstract:

PURPOSE: To provide a seal material used for diesel particulate filter(DPF) having a high strength and abundant sealing properties and to provide manufacture thereof.

CONSTITUTION: A seal material 3 is prepared in such a manner that a mixture consisting of 80wt.% ceramics powder and 20wt.% inorganic fibers is added with low melt point borosilicate glass in the same amount as that of the mixture and kneaded to produce a clay-form substance. After a molded product molded by using the clay-form substance is dried, the molded product is baked at 900°C for two hours. The seal material is arranged in a case 2 incorporated in the middle of the exhaust passage 1 of a diesel engine. The seal material is used for sealing the vicinity of a filter therewith so that exhaust gas flows to a filter 4 to collect particulate contained in exhaust gas.

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